

IN THE CLAIMS AMEND

1-13 (Cancelled)

14. (Currently Amended) ~~The device according to claim 74 wherein~~ A device for delivering a fluid comprising:

- a housing having an interior region and an opening, wherein the interior region comprises an interior pressure;

- a quantity of fluid within the interior of housing; and

- means associated with the opening for controlling flow of the quantity of fluid through the opening,

- wherein the housing comprises means for absorbing radiative heat to, in turn, increase the temperature of the quantity of fluid, and the interior pressure, and deliver at least a portion of the quantity of fluid from the housing, and

~~the pressure differential causing~~ means further includes means for cyclically varying the pressure differential between the interior region of the housing and the immediate surroundings of the housing.

15. (Currently Amended) The device according to claim 1474 wherein the device further includes a check valve, to, in turn, prevent inadvertent flow of fluid ~~wherein~~ when the interior pressure exceeds a predetermined value

16. (Currently Amended) The device according to claim 1474 wherein the flow control means further comprises a porous plug.

17-19. (Cancelled).

20. (Original) A device for delivering a fluid comprising:

- a housing having an interior region and an opening, wherein the interior region comprises an interior pressure;

- a quantity of fluid within the interior of housing; and

- means associated with the opening for controlling flow of the quantity of fluid through the opening,

- the flow control means further comprising a tunnel of predetermined length and cross-sectional area, so as to permit a certain level of maximum flow therethrough,

The device according to claim 17 wherein the opening includes including:

- a restrictor plug having an outer surface;

- a receptacle having an inner surface; and

- a groove disposed on one of the inner and outer surfaces,

such that the wherein a tunnel is defined by the cooperation of the groove and the outer surface upon positioning of the restrictor plug and the receptacle into operative engagement;

- wherein the housing comprises means for absorbing radiative heat to, in turn, increase the temperature of the quantity of fluid, and the interior pressure, and deliver at least a portion of the quantity of fluid from the housing

21-25. (Cancelled).

26. (Currently Amended) A device for delivering a fluid comprising:

- a housing having an interior region and an opening, wherein the interior region comprises an interior pressure;
- a quantity of fluid within the interior of housing; and
- means associated with the opening for controlling flow of the quantity of fluid through the opening,
- wherein the housing comprises means for absorbing radiative heat to, in turn, increase the temperature of the quantity of fluid, and the interior pressure, and deliver at least a portion of the quantity of fluid from the housing, and

The device according to claim 74 further comprising an emanator associated with the opening of the housing.

27. (Original) The device according to claim 26 wherein the emanator is positioned at a predetermined distance from the opening of the housing.

28. (Original) The device according to claim 26 wherein the emanator comprises a porous material.

29. (Original) The device according to claim 26 wherein the emanator comprises a substantially non-porous material.

30. (Original) The device according to claim 26 wherein the emanator further includes means for enhancing the volatilization of the fluid.

31. (Original) The device according to claim 26 wherein the volatilization enhancing means further comprises a ventilation fan associated with the emanator.

32. (Original) The device according to claim 26 wherein the volatilization enhancing means further comprises a heating element associated with at least one of the emanator or the housing.

33. (Currently Amended) A device for delivering a fluid comprising:

- a housing having an interior region and an opening, wherein the interior region comprises an interior pressure;

- a quantity of fluid within the interior of housing; and

- means associated with the opening for controlling flow of the quantity of fluid through the opening,

- wherein the housing comprises means for absorbing radiative heat to, in turn, increase the temperature of the quantity of fluid, and the interior pressure, and deliver at least a portion of the quantity of fluid from the housing, and

~~The device according to claim 74 further including means for providing a bolus, to, in turn, temporarily increase the quantity of fluid delivered from the device.~~

34. (Original) The device according to claim 33 wherein the bolus providing means comprises means for increasing the pressure within the housing, to, in turn, increase flow through the opening.

35. (Original) The device according to claim 33 wherein the bolus providing means further comprises:

- a second opening associated with the housing; and
- means for delivering the fluid within the housing through the opening.

36. (Original) The device according to claim 35 wherein the delivering means comprises a spray pump.

37. (Original) The device according to claim 35 wherein the delivering means comprises an atomizer.

38. (Original) The device according to claim 33 wherein the bolus providing means further includes means for enhancing the volatilization of the fluid.

39. (Original) The device according to claim 38 wherein the volatilization enhancing means comprises a heating element.

40. (Original) The device according to claim 33 wherein the volatilization enhancing means comprises a ventilation fan.

41-75. (Cancelled).

76. (New) The device according to claim 14, wherein the flow control means further comprises a tunnel of predetermined length and cross-sectional area, so as to permit a certain level of maximum flow therethrough.

77. (New) The device according to claim 76 wherein the opening includes:

- a restrictor plug having an outer surface;
- a receptacle having an inner surface; and
- a groove disposed on one of the inner and outer surfaces,

wherein the tunnel is defined by the cooperation of the groove and the outer surface upon positioning of the restrictor plug and the receptacle into operative engagement.

78. (New) The device according to claim 14, further comprising an emanator associated with the opening of the housing.

79. (New) The device according to claim 78 wherein the emanator is positioned at a predetermined distance from the opening of the housing.

80. (New) The device according to claim 78 wherein the emanator comprises a porous material.

81. (New) The device according to claim 78 wherein the emanator comprises a substantially non-porous material.

82. (New) The device according to claim 78 wherein the emanator further includes means for enhancing the volatilization of the fluid.

83. (New) The device according to claim 78 wherein the volatilization enhancing means further comprises a ventilation fan associated with the emanator.

84. (New) The device according to claim 78 wherein the volatilization enhancing means further comprises a heating element associated with at least one of the emanator or the housing.

85. (New) The device according to claim 14 further including means for providing a bolus to, in turn, temporarily increase the quantity of fluid delivered from the device.

86. (New) The device according to claim 85 wherein the bolus providing means comprises means for increasing the pressure within the housing, to, in turn, increase flow through the opening.

87. (New) The device according to claim 85 wherein the bolus providing means further comprises:

- a second opening associated with the housing; and
- means for delivering the fluid within the housing through the opening.

88. (New) The device according to claim 87 wherein the delivering means comprises a spray pump.

89. (New) The device according to claim 87 wherein the delivering means comprises an atomizer.

90. (New) The device according to claim 85 wherein the bolus providing means further includes means for enhancing the volatilization of the fluid.

91. (New) The device according to claim 90 wherein the volatilization enhancing means comprises a heating element.

92. (New) The device according to claim 90 wherein the volatilization enhancing means comprises a ventilation fan.

93. (New) The device according to claim 20 wherein the pressure differential causing means further includes means for cyclically varying the pressure differential between the interior of the housing and the immediate surroundings of the housing.

94. (New) The device according to claim 20 wherein the device further includes a check valve to, in turn, prevent inadvertent flow of fluid when the interior pressure exceeds a predetermined value.

95. (New) The device according to claim 20 wherein the flow control means further comprises a porous plug.

96. (New) The device according to claim 20, further comprising an emanator associated with the opening of the housing.

97. (New) The device according to claim 96 wherein the emanator is positioned at a predetermined distance from the opening of the housing.

98. (New) The device according to claim 96 wherein the emanator comprises a porous material.

99. (New) The device according to claim 96 wherein the emanator comprises a substantially non-porous material.

100. (New) The device according to claim 96 wherein the emanator further includes means for enhancing the volatilization of the fluid.

101. (New) The device according to claim 100 wherein the volatilization enhancing means further comprises a ventilation fan associated with the emanator.

102. (New) The device according to claim 100 wherein the volatilization enhancing means further comprises a heating element associated with at least one of the emanator or the housing.

103. (New) The device according to claim 20 further including means for providing a bolus to, in turn, temporarily increase the quantity of fluid delivered from the device.

104. (New) The device according to claim 103 wherein the bolus providing means comprises means for increasing the pressure within the housing, to, in turn, increase flow through the opening.

105. (New) The device according to claim 93 wherein the bolus providing means further comprises:

- a second opening associated with the housing; and
- means for delivering the fluid within the housing through the opening.

106. (New) The device according to claim 105 wherein the delivering means comprises a spray pump.

107. (New) The device according to claim 105 wherein the delivering means comprises an atomizer.

108. (New) The device according to claim 93 wherein the bolus providing means further includes means for enhancing the volatilization of the fluid.

109. (New) The device according to claim 108 wherein the volatilization enhancing means comprises a heating element.

110. (New) The device according to claim 108 wherein the volatilization enhancing means comprises a ventilation fan.

111. (New) The device according to claim 26 wherein the pressure differential causing means further includes means for cyclically varying the pressure differential between the interior of the housing and the immediate surroundings of the housing.

112. (New) The device according to claim 26 wherein the device further includes a check valve to, in turn, prevent inadvertent flow of fluid when the interior pressure exceeds a predetermined value.

113. (New) The device according to claim 26 wherein the flow control means further comprises a porous plug.

114. (New) The device according to claim 26 wherein the flow control means further comprises a tunnel of predetermined length and cross-sectional area, so as to permit a certain level of maximum flow therethrough.

115. (New) The device according to claim 114 wherein the opening includes:

- a restrictor plug having an outer surface;
- a receptacle having an inner surface; and
- a groove disposed on one of the inner and outer surfaces,

wherein the tunnel is defined by the cooperation of the groove and the outer surface upon positioning of the restrictor plug and the receptacle into operative engagement.

116. (New) The device according to claim 26 further including means for providing a bolus to, in turn, temporarily increase the quantity of fluid delivered from the device.

117. (New) The device according to claim 117 wherein the bolus providing means comprises means for increasing the pressure within the housing, to, in turn, increase flow through the opening.

118. (New) The device according to claim 117 wherein the bolus providing means further comprises:

- a second opening associated with the housing; and
- means for delivering the fluid within the housing through the opening.

119. (New) The device according to claim 119 wherein the delivering means comprises a spray pump.

120. (New) The device according to claim 119 wherein the delivering means comprises an atomizer.

121. (New) The device according to claim 117 wherein the bolus providing means further includes means for enhancing the volatilization of the fluid.

122. (New) The device according to claim 122 wherein the volatilization enhancing means comprises a heating element.

123. (New) The device according to claim 122 wherein the volatilization enhancing means comprises a ventilation fan.

124. (New) The device according to claim 33 wherein the pressure differential causing means further includes means for cyclically varying the pressure differential between the interior of the housing and the immediate surroundings of the housing.

125. (New) The device according to claim 33 wherein the device further includes a check valve, to, in turn, prevent inadvertent flow of fluid when the interior pressure exceeds a predetermined value

126. (New) The device according to claim 33 wherein the flow control means further comprises a porous plug.

127. (New) The device according to claim 33 wherein the flow control means further comprises a tunnel of predetermined length and cross-sectional area, so as to permit a certain level of maximum flow therethrough.

128. (New) The device according to claim 128 wherein the opening includes:

- a restrictor plug having an outer surface;
- a receptacle having an inner surface; and
- a groove disposed on one of the inner and outer surfaces,

wherein the tunnel is defined by the cooperation of the groove and the outer surface upon positioning of the restrictor plug and the receptacle into operative engagement.

129. (New) The device according to claim 33 further comprising an emanator associated with the opening of the housing.

130. (New) The device according to claim 130 wherein the emanator is positioned at a predetermined distance from the opening of the housing.

131. (New) The device according to claim 130 wherein the emanator comprises a porous material.

132. (New) The device according to claim 130 wherein the emanator comprises a substantially non-porous material.

133. (New) The device according to claim 130 wherein the emanator further includes means for enhancing the volatilization of the fluid.

134. (New) The device according to claim 134 wherein the volatilization enhancing means further comprises a ventilation fan associated with the emanator.

135. (New) The device according to claim 134 wherein the volatilization enhancing means further comprises a heating element associated with at least one of the emanator or the housing.